Index of Claims

| Appli | cation/ | Control | No. |
|-------|---------|---------|-----|
|-------|---------|---------|-----|

09/667,737

Examiner

Yicun Wu

Applicant(s)/Patent under Reexamination

HANSEN, JAMES R.

Art Unit

2165

| 1 | Rejected |
|---|----------|
|   | Allowood |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   | Postricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla           | aim      | im Date      |              |              | ]            | CI           | , Date   |                                                  |                |          |       |       |          | CI                                                                          | aim      | Date     |         |           |                 |          |          |       |            |          |          |          |          |          |          |          |          |          |
|---------------|----------|--------------|--------------|--------------|--------------|--------------|----------|--------------------------------------------------|----------------|----------|-------|-------|----------|-----------------------------------------------------------------------------|----------|----------|---------|-----------|-----------------|----------|----------|-------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Final         | Original | 1 17 17 1    | 5 27 3       |              |              |              |          |                                                  |                |          |       | Final | Original | 1-11-04                                                                     |          |          |         |           |                 |          |          | Final | Original   | 6-30-5   |          |          |          |          |          |          |          |          |
|               | 1        | ١.           | $\top$       | T            | T            | $\vdash$     | $\top$   | 1                                                |                | 1        | 1     |       | 51       | ١,                                                                          |          |          |         | $\top$    | П               | $\dashv$ | 7        |       | 101        | Ÿ        |          |          |          |          | П        | T        | 寸        | ヿ        |
|               | 2        | П            | ı            |              |              | T            | $\top$   | Τ                                                |                | Τ        |       |       | 52       | П                                                                           |          |          | $\neg$  |           | IΠ              | "        | 1        |       | 102        | Ħ        |          |          |          |          |          |          | ヿ        | ╗        |
|               | 3        |              | l            | Ì            |              | 1            | 1        | Τ                                                | Т              | Τ        | 1     |       | 53       | П                                                                           |          | $\sqcap$ | $\neg$  |           |                 |          | 7!!!!    |       | 103        | П        |          |          |          |          |          |          | $\neg$   | ヿ        |
|               | 4        | -            |              |              |              |              |          | Τ                                                | Т              |          |       |       | 54       | П                                                                           |          |          |         |           |                 |          | 7        |       | 104        | П        |          |          |          |          |          | П        | $\neg$   | ╗        |
|               | 5        |              |              | П            |              |              |          |                                                  |                |          | 1:::: |       | 55       | Ţ                                                                           | П        |          |         | Т         |                 |          | 7        |       | 105        | П        |          |          |          |          |          |          |          | ╗        |
|               | 6        | П            |              |              |              |              |          |                                                  |                |          | ]!!!! |       | 56       | _                                                                           |          |          |         |           |                 |          |          |       | 106        | 1        |          |          |          |          |          |          | $\Box$   |          |
|               | 7        | $\Box$       |              |              |              |              |          |                                                  |                |          |       |       | 57       |                                                                             |          |          |         |           |                 |          |          |       | 107        |          |          |          |          |          |          |          | $\Box$   |          |
|               | 8        |              |              |              |              |              |          |                                                  |                |          |       |       | 58       | Ш                                                                           |          |          |         |           |                 |          | ]:::::   |       | 108        |          |          |          |          |          |          |          |          |          |
|               | 9        | Ц            |              |              |              |              | L        |                                                  |                |          |       |       | 59       |                                                                             |          |          |         |           |                 |          | ]        |       | 109        |          |          |          |          |          |          |          |          |          |
|               | 10       | Ц            | ╙            | <u> </u>     | _            | L            | _        | <u> </u>                                         |                | _        | ļ     |       | 60       | Ц                                                                           |          |          |         | 1.        |                 |          | _        |       | 110        |          |          |          |          |          |          |          | $\perp$  | ╝        |
|               | 11       | Ц            | $\perp$      | _            | $\perp$      | L            | _        | _                                                | 1              | <u></u>  | 1     |       | 61       | Ц                                                                           | Ш        |          |         |           | $\sqcup$        |          | _        |       | 111        |          | Ш        |          |          | $\Box$   |          | [        |          | $\Box$   |
|               | 12       | Ц            | _            | _            | 1            | L.           | ļ        | 1_                                               | _              | _        | 1     |       | 62       | $oxed{oxed}$                                                                | Ш        | $\perp$  | $\perp$ | $\perp$   | $\sqcup$        | $\perp$  | _        |       | 112        | Ш        | Ш        |          |          |          |          |          | $\perp$  |          |
| L             | 13       | Ц            | $\perp$      | ↓_           | <u> </u>     | _            | $\perp$  | $\perp$                                          | _              | oxdot    |       |       | 63       | Ш                                                                           | Щ        | $\perp$  | $\perp$ | $\perp$   | $\sqcup$        |          |          |       | 113        |          | Ш        | Ш        |          | Ш        |          | $\perp$  | $\perp$  | _        |
|               | 14       | _            | <u> </u>     | $\perp$      | _            | _            | $\perp$  | _                                                | _              | $\perp$  |       |       | 64       | Ш                                                                           | Щ        | $\perp$  |         | $\perp$   | $\coprod$       |          | 1        |       | 114        | Ш        | Ш        | $\Box$   |          |          | ]        |          | $\bot$   |          |
|               | 15       | Ш            |              | <u> </u>     | ┖            | $oxed{oxed}$ | <u> </u> | ┖                                                | ╙              | <u> </u> | ļ     |       | 65       | Ц                                                                           |          |          |         |           |                 | $\perp$  | <b>.</b> |       | 115        |          |          |          |          |          |          | _        | $\perp$  | _        |
|               | 16       | Ц            | _            | _            | _            | <u> </u>     | <u> </u> | <u> </u>                                         | 1              | <u> </u> |       |       | 66       | Ш                                                                           | Ш        | _        | $\perp$ | $\bot$    | $\sqcup$        | $\bot$   | 4        |       | 116        | Ш        |          |          |          |          |          |          | $\dashv$ | _        |
|               | 17       | Ц            |              |              |              |              |          | _                                                | ↓_             | L        |       |       | 67       | Ш                                                                           |          | 4        |         | 1         | Ш               | _        |          |       | 117        | Ш        |          |          |          |          |          | $\dashv$ | _        | _        |
|               | 18       | Ш            | _            | _            | L.           | <u> </u>     | L        | <u> </u>                                         | 1_             | •        |       |       | 68       | Ш                                                                           | Ш        |          |         | ↓_        | Ш               |          | J        |       | 118        |          |          |          |          |          |          | _        |          | _        |
|               | 19       | Ш            | _            | Ļ_           |              | ┖            |          | 上                                                | _              | <u></u>  |       |       | 69       | Ш                                                                           |          | _        |         | $\perp$   | Ш               | _        | _        |       | 119        |          |          |          |          | _        |          | _        | $\dashv$ | ╛        |
|               | 20       | Ш            | _            | <u> </u>     |              |              | _        | ┖                                                | 4_             | <u> </u> |       |       | 70       |                                                                             |          | _        |         |           | Ш               |          | _        |       | 120        | Ш        |          |          |          |          |          |          | $\dashv$ | _        |
|               | 21       | Ц            | <u> </u>     | L            | _            | _            |          |                                                  | _              | L        |       |       | 71       | Щ                                                                           |          | 4        |         | 4         |                 |          | _:::::   |       | 121        |          |          |          |          | _        |          | _        | _        | ╝        |
|               | 22       | Ц            | _            | _            | <u> </u>     | ļ            | <u> </u> | <u> </u>                                         | <del> </del> _ | <u></u>  |       |       | 72       | $\perp$                                                                     |          | _        |         | _         | $\sqcup$        | _        | 4        |       | 122        |          |          | _        | _        | _        | _        |          | _        | _        |
|               | 23       | Ш            | ┡            |              |              |              | L        | <u> </u>                                         | <u> </u>       | _        |       |       | 73       | $\perp$                                                                     | Ш        | 4        |         | $\bot$    | Ш               | _        | 4        |       | 123        |          | _        |          | _        |          | _        | _        |          | _        |
|               | 24       | Ц            | <u> </u>     |              |              | <u> </u>     | <u> </u> | ╙                                                | <u> </u>       | <u>_</u> |       |       | 74       | Щ                                                                           |          |          | 4       | ┷         |                 |          | _        |       | 124        |          | _        |          | _        | _        | _        | _        | 4        | _        |
|               | 25       | Ш            | <u> </u>     | _            | L            | <u> </u>     | _        | <u> </u>                                         |                | ᆫ        |       |       | 75       | $\perp$                                                                     | _        | _        | _       | 1         | $\sqcup$        |          |          |       | 125        |          |          |          | _        | _        | _        | _        |          |          |
|               | 26       | _            | ـ            | <b>-</b>     | <del> </del> | <u> </u>     | ├        | ₩                                                | ╄              | <u> </u> |       |       | 76       | 4                                                                           | _        |          | _       | —         | 1               |          | 4        |       | 126        |          | $\dashv$ | _        | 4        | 4        | _        | 4        | $\dashv$ | 4        |
|               | 27       | Ш            | <del> </del> | <b>—</b>     | <u> </u>     | ├            | -        | ⊢                                                | $\vdash$       | <u> </u> |       |       | 77       | $-\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$ | _        |          |         | -         | $\vdash$        | _        | 41       |       | 127        | Ш        | $\dashv$ | _        |          | _        | _        | 4        | -        | _        |
|               | 28       |              | ├            | <u> </u>     |              | _            | _        |                                                  | ├              | <u> </u> |       |       | 78       | 4                                                                           |          | 4        |         | +         |                 |          | -        |       | 128        | $\sqcup$ | _        |          | _        | _        | _        | -        | 4        | _        |
|               | 29       | H            | ļ            | -            |              | _            |          | ⊢                                                | ┼              | ⊢        |       |       | 79       | $\mathbb{H}$                                                                | _        | +        | +       |           | -               | _        | -        |       | 129        | _        | _        | _        |          |          |          | 4        | $\dashv$ | 4        |
|               | 30       |              | _            | <u> </u>     | $\vdash$     | -            | ├-       | ⊢                                                | -              | ┡        |       |       | 80       | +                                                                           | -        | 4        | -       |           | $\vdash$        | $\perp$  | -        |       | 130        |          |          | _        |          |          |          | _        | -        | 4        |
|               | 31       | Н            | -            | <u> </u>     |              | -            | ⊢        | ⊢                                                | ┾              | <u> </u> |       |       | 81       | +                                                                           | -        | +        |         | -         |                 | $\perp$  | -        |       | 131        | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ |          | 4        | 4        | 4        |
| -             | 32       | Н            | -            | -            | H            |              | ┢        | <del> </del>                                     | ⊢              | _        |       |       | 82       | $\mathbb{H}$                                                                | $\dashv$ | +        | +       |           |                 |          | -        |       | 132        | _        |          | $\dashv$ | -        | _        |          | $\dashv$ | +        | 4        |
|               | 33       | Н            | -            | <del> </del> | $\vdash$     | _            | $\vdash$ | -                                                | $\vdash$       | -        |       |       | 83       | +                                                                           | -        | +        | +       | +-        |                 | +        | 4        |       | 133        | $\sqcup$ |          | $\dashv$ |          |          | -        | -        | $\dashv$ |          |
|               | 34<br>35 | Н            | $\vdash$     | ├            | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$                                         | $\vdash$       | -        |       |       | 84<br>85 | $\mathbb{H}$                                                                | $\dashv$ | +        | +       | +         | -               | -        | -        |       | 134        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        |          | -        | -        | 4        |
|               | 36       | Н            | -            | $\vdash$     | $\vdash$     | $\vdash$     | ┢        | $\vdash$                                         | 1-             | $\vdash$ | []    |       | 86       | $\mathbb{H}$                                                                | $\dashv$ | +        | +-      | +-        | $\vdash$        |          | -        |       | 135        | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -+       | +        | $\dashv$ |
|               | 37       |              | -            | $\vdash$     | $\vdash$     |              | ┢        | $\vdash$                                         | -              | $\vdash$ |       | -     | 87       | -H                                                                          | $\dashv$ | +        | +       | ╂         | $\vdash \vdash$ | +        | ┨┈╟      | -     | 136<br>137 | +        | -        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ |
|               | 38       | _            |              | $\vdash$     | Н            | -            | $\vdash$ | $\vdash$                                         | $\vdash$       | -        |       |       | 88       | +                                                                           | $\dashv$ | +        | +       | +         | $\vdash \vdash$ |          | 1 1      |       | 137        | $\vdash$ | $\dashv$ | -        |          | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ |
| $\rightarrow$ | 39       |              | -            | $\vdash$     | Н            | $\vdash$     | -        | $\vdash$                                         | H              | -        |       |       | 89       | +                                                                           | -+       | +        | +       | +         | $\vdash$        | +        | ┨Ш╟      |       | 139        |          | -        | $\dashv$ | $\dashv$ |          |          | $\dashv$ | +        | $\dashv$ |
|               | 40       | -            | -            | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$ | <del> </del>                                     | $\vdash$       | $\vdash$ |       |       | 90       | +                                                                           | +        | $\dashv$ | +-      | +-        | $\vdash$        | +        | ┨┊┊╏     |       | 140        | $\dashv$ | -        |          | $\dashv$ | $\dashv$ | -        | $\dashv$ | +        | $\dashv$ |
|               | 41       | -            | $\vdash$     | <del> </del> | Н            | $\vdash$     |          | ╁╌                                               | $\vdash$       | $\vdash$ |       |       | 91       | $\dashv$                                                                    | $\dashv$ | +        | +       | +-        | $\vdash$        | +        | 1        |       | 141        |          |          | -        | $\dashv$ |          | -+       | $\dashv$ | +        | $\dashv$ |
|               | 42       |              | -            | $\vdash$     | $\vdash$     | $\vdash$     |          | $\vdash$                                         | $\vdash$       | $\vdash$ |       | -     | 92       |                                                                             | $\dashv$ | +        | +       | +         | $\vdash$        |          | ╢        | -     | 142        | $\dashv$ | +        | $\dashv$ |
|               | 43       | <del>-</del> | Н            |              | $\vdash$     | Н            | $\vdash$ |                                                  | Н              | $\vdash$ |       |       | 93       | ╢                                                                           | $\dashv$ | $\dashv$ | +       | +         | $\vdash$        | +        | ╽╟╽      |       | 143        |          | -+       | ᆉ        |          | $\dashv$ | -        | $\dashv$ | +        | $\dashv$ |
|               | 44       | <del>-</del> |              | $\vdash$     | Н            | $\vdash$     | $\vdash$ | t                                                | H              | _        |       |       | 94       | ╢                                                                           |          | $\dashv$ | +       | +         | $\vdash$        | +        | 1 1      |       | 144        | $\dashv$ | -+       | $\dashv$ | $\dashv$ | -+       |          | $\dashv$ | +        | $\dashv$ |
| $\neg$        | 45       | 1            | $\vdash$     | -            | Н            |              |          | <del>                                     </del> | $\vdash$       | -        |       |       | 95       | -                                                                           | $\dashv$ | $\dashv$ | +       | +         | $\vdash$        | +        | 1        |       | 145        | $\dashv$ | +        | $\dashv$ |
|               | 46       |              |              | -            | $\vdash$     |              | 1        | Ι-                                               | Н              |          |       | -     | 96       | -#                                                                          | $\dashv$ | $\dashv$ |         | $\dagger$ | $\vdash$        | $\dashv$ | 1 1      |       | 146        | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ | +        | $\dashv$ |
|               | 47       | _            | H            |              | Н            |              | Г        | <b></b> -                                        | Н              |          |       |       | 97       | -#                                                                          | $\dashv$ | 十        | +-      | $\top$    | $\vdash$        | +        | 1        |       | 147        | -+       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -+       | $\dashv$ | +        | $\dashv$ |
| 1             | 48       | 7            |              | _            | П            | _            |          | _                                                | П              |          |       |       | 98       | -#                                                                          | $\dashv$ | +        | $\top$  | T         | $\vdash$        | $\top$   | 188      |       | 148        | $\dashv$ | $\dashv$ | -        | +        | $\dashv$ | +        | $\dashv$ | +        | $\dashv$ |
|               | 49       | $\top$       | П            |              |              |              | П        | <del>                                     </del> | ${}^{\vdash}$  |          |       |       | 99       | ╢                                                                           | _        | $\top$   | +-      | $\top$    | $\vdash$        | $\top$   | 188      |       | 149        | 十        | +        | -        | $\dashv$ | +        | $\dashv$ | +        | +        | $\dashv$ |
|               | 50       | +            |              |              |              |              |          | <u> </u>                                         | П              |          |       |       | 100      | -1                                                                          | $\dashv$ | 十        | $\top$  | $\top$    | $\dashv$        | 1        | 11111    |       | 150        | $\dashv$ | $\dashv$ | _        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ |
|               |          |              |              |              |              |              |          |                                                  |                |          |       |       |          |                                                                             |          |          |         |           |                 |          |          |       |            |          |          |          |          |          |          |          |          |          |